| L Number | Hits       | Search Text   | DB   | Time stamp                           |
|----------|------------|---|--|--------------------------------------|
| 1        | 2          | ("6121121").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | 2004/01/22 10:46                     |
| 2        | 30         | 6121121.URPN.   | USPAT  | 2004/01/22 10:16                     |
| 3        | 13         | ("5185290"   "5239188"   "5798536"   "6051849"   "6110277"  <br>"6121121"   "6146457"   "6153010"   "6274518"   "6319742"  <br>"6329667"   "6355497"   "6365921").PN.   | USPAT  | 2004/01/22 10:24                     |
| 4        | 18         | ("Re34861"   "4127792"   "4522661"   "4651407"   "4865685"  <br>"4876210"   "4912064"   "4946547"   "5122845"   "5389571"  <br>"5397736"   "5549747"   "5710057"   "5760426"   "5786606"  <br>"5815520"   "5877070"   "5880485").PN.  | USPAT  | 2004/01/22 10:28                     |
| 5        | 29         | ("4127792"   "4522661"   "4651407"   "4865685"   "4876210"   "4912064"   "4946547"   "5122845"   "5156995"   "RE34861"   "5389571"   "5397736"   "5549747"   "5710057"   "5760426"   "5786606"   "5815520"   "5877070"   "5880485"   "5912477"   "5915194"   "6051849"   "6064078"   "6100104"   "6100111"   "6121121"   "6153010"   "6156584"   "6325850").PN. | USPAT  | 2004/01/22 10:35                     |
| 6        | 7          | ("5880485"   "5953581"   "6015979"   "6111277"   "6121121"  <br>"6225650"   "6316785").PN.  | USPAT  | 2004/01/22 10:40                     |
| 8        | 3<br>10669 | ("5727008"   "6015979"   "6153010").PN.<br>257/13,79-103,918;438/22,24,25,28,29,46,47.ccls.   | USPAT<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/01/22 10:40<br>2004/01/22 10:52 |
| 9        | 5332       | 257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB          | 2004/01/22 12:35                     |
| 10       | 5          | (257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and (GaN NEAR III NEAR V NEAR group)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB          | 2004/01/22 10:54                     |
| 11       | 1226       | (257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and GaN  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | 2004/01/22 12:36                     |
| 12       | 1182       | ((257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and GaN) and substrate  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB          | 2004/01/22 11:08                     |
| 13       | 7          | ("5880485"   "5953581"   "6015979"   "6111277"   "6121121"   "6225650"   "6316785").PN.   | USPAT  | 2004/01/22 11:03                     |
| 14<br>15 | 3 2        | ("5727008"   "6015979"   "6153010").PN. (((257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and GaN) and substrate) and (isolat\$3 NEAR block\$1)  | USPAT<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/01/22 11:04<br>2004/01/22 11:09 |
| 16       | 146        | (((257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and GaN) and substrate) and (oxid\$4 NEAR layer)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | 2004/01/22 11:10                     |

|       | 100    | ///057/12 70 102 010 420/02 24 25 20 20 4/ 47 //i-bt NEAD   | USPAT;            | 2004/01/22 11:11 |
|-------|--------|---|-------------------|------------------|
| 17    | 102    | (((((257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and GaN) and substrate) and (oxid\$4 | US-PGPUB;         | 2004/01/22 11.11 |
|       |        | NEAR layer)) and (active NEAR layer)  | EPO; JPO;         |                  |
| :     |        | NEAR layer)) and (active INEAR layer)   | DERWENT;          |                  |
|       |        |   | IBM TDB           |                  |
| 18    | 0      | (257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR  | USPAT;            | 2004/01/22 11:48 |
| 16    |        | emit\$4 NEAR diode) LED)) and (lateral NEAR growth NEAR   | US-PGPUB;         |                  |
|       |        | technology)   | EPO; JPO;         |                  |
|       |        | technology)   | DERWENT;          |                  |
|       | į l    |   | IBM TDB           |                  |
| 19    | 334971 | 257/\$.ccls. 438/\$.ccls.   | USPĀT;            | 2004/01/22 11:44 |
| **    |        |   | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЛРО;         |                  |
|       |        |   | DERWENT;          |                  |
|       |        |   | IBM_TDB           |                  |
| 20    | 2      | (257/\$.ccls. 438/\$.ccls.) and (lateral NEAR growth NEAR technology)   | USPAT;            | 2004/01/22 11:47 |
|       |        |   | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЛРО;         |                  |
|       |        |   | DERWENT;          |                  |
|       | 1      |   | IBM_TDB           |                  |
| 21    | 13     | ("3697829"   "4211586"   "4242690"   "4375125"   "4642669"  | USPAT             | 2004/01/22 11:45 |
|       |        | "4667393"   "4927772"   "4947218"   "5119148"   "5449925"   |                   |                  |
|       |        | "5459089"   "5650638"   "5814840").PN.  |                   |                  |
| 22    | 8      | ("3697829"   "4211586"   "4375125"   "4642669"   "4667393"  | USPAT             | 2004/01/22 11:46 |
|       |        | "4927772"   "5449925"   "5459089").PN.  |                   | ,                |
| 23    | 419719 | ((light NEAR emit\$4 NEAR diode) LED)   | USPAT;            | 2004/01/22 11:47 |
|       | !      |   | US-PGPUB;         |                  |
|       | l      |   | ЕРО; ЛРО;         |                  |
|       | l      |   | DERWENT;          |                  |
|       | ļ l    |   | IBM_TDB           |                  |
| 24    | 0      | (((light NEAR emit\$4 NEAR diode) LED)) and (lateral NEAR growth  | USPAT;            | 2004/01/22 11:47 |
|       |        | NEAR technology)  | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЛРО;         |                  |
|       | '      |   | DERWENT;          |                  |
|       |        |   | IBM_TDB           | 2004/01/22 11:47 |
| 25    | 4      | lateral NEAR growth NEAR technology   | USPAT;            | 2004/01/22 11:47 |
|       |        |   | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЛРО;         |                  |
|       |        |   | DERWENT;          |                  |
| 26    | 0.0    | (057/12 70 102 019,429/22 24 25 29 20 46 47 cols, and (/light NEAD  | IBM_TDB<br>USPAT; | 2004/01/22 13:51 |
| 26    | 96     | (257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR emit\$4 NEAR diode) LED)) and (lateral NEAR grow\$3)               | US-PGPUB;         | 2004/01/22 13.31 |
|       |        | elitte HEAV dione) peri)) and (rateral MEAV Browss)   | EPO; ЛРО;         |                  |
|       |        |   | DERWENT;          |                  |
|       |        |   | IBM_TDB           |                  |
| 27    | 0      | ((257/13,79-103,918;438/22,24,25,28,29,46,47.ccls. and ((light NEAR   | USPAT;            | 2004/01/22 11:50 |
| [ ~ ' |        | emit\$4 NEAR diode) LED)) and (lateral NEAR grow\$3)) and ((mix\$3  | US-PGPUB;         |                  |
|       |        | NEAR ratio) WITH (grow\$3 NEAR gas) WITH (etch\$3 NEAR gas))  | ЕРО; ЛРО;         |                  |
|       |        |   | DERWENT;          |                  |
| 1     |        |   | IBM_TDB           |                  |
| 28    | 1233   | (257/\$.ccls. 438/\$.ccls.) and (lateral NEAR grow\$3)  | USPĀT;            | 2004/01/22 12:00 |
| ]     |        |   | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЛРО;         |                  |
|       |        |   | DERWENT,          |                  |
|       |        |   | IBM_TDB           |                  |
| 29    | 0      | ((257/\$.ccls. 438/\$.ccls.) and (lateral NEAR grow\$3)) and ((mix\$3   | USPAT;            | 2004/01/22 11:50 |
|       |        | NEAR ratio) WITH (grow\$3 NEAR gas) WITH (etch\$3 NEAR gas))  | US-PGPUB;         |                  |
|       |        |   | ЕРО; ЈРО;         |                  |
|       |        |   | DERWENT;          |                  |
|       |        |   | IBM_TDB           |                  |

|    |       | ((mix\$3 NEAR ratio) WITH (grow\$3 NEAR gas) WITH (etch\$3 NEAR  | USPAT;              | 2004/01/22 12:00  |
|----|-------|--|---------------------|-------------------|
| 30 | 0     |  | US-PGPUB;           | 2004/01/22 12.00  |
|    |       | gas))  | EPO; JPO;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM TDB             |                   |
| 21 | 0     | (mix\$3 NEAR ratio) and ((grow\$3 NEAR gas) WITH (etch\$3 NEAR   | USPAT;              | 2004/01/22 12:00  |
| 31 | U     |  | US-PGPUB;           | 200 1/01/22 12:00 |
|    |       | gas))  | EPO; JPO;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM TDB             |                   |
| 22 | 60513 | (mix\$3 NEAR ratio)  | USPAT;              | 2004/01/22 12:00  |
| 32 | 00313 | (IIIIX\$5 IVEAR Tado)  | US-PGPUB;           | 200 1/01/22 12:00 |
|    | :     |  | EPO; JPO;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       | •  | IBM_TDB             |                   |
| 33 | 43    | ((mix\$3 NEAR ratio) ) and (lateral NEAR grow\$3)  | USPAT;              | 2004/01/22 12:35  |
| 33 | 73    | ((IIIIAGS INDAIN TALIO)) and (Internal INDAIN BLOWGS)  | US-PGPUB;           | 200 1101122 12100 |
|    |       |  | ЕРО; ЛРО;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM TDB             |                   |
| 34 | 2178  | lateral NEAR grow\$3   | USPAT;              | 2004/01/22 12:35  |
| "  | 2170  | internal 1122 III grows  | US-PGPUB;           |                   |
|    |       |  | ЕРО; ЛРО;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM_TDB             |                   |
| 35 | 342   | (lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED)   | USPĀT;              | 2004/01/22 13:50  |
|    |       | , , ,  | US-PGPUB,           |                   |
|    |       |  | ЕРО, ЛРО,           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM_TDB             |                   |
| 36 | 208   | ((lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED))   | USPAT;              | 2004/01/22 12:59  |
|    |       | and GaN  | US-PGPUB;           |                   |
|    |       |  | ЕРО; ЈРО;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM_TDB             |                   |
| 37 | 179   | (((lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED))  | USPAT;              | 2004/01/22 13:00  |
|    |       | and GaN) and (buffer NEAR (layer film))  | US-PGPUB;           |                   |
|    |       |  | ЕРО; ЈРО;           |                   |
|    |       | ·  | DERWENT;            |                   |
|    | :     |  | IBM_TDB             | 0004/01/02 12 46  |
| 38 | 6     | (((lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED))  | USPAT;              | 2004/01/22 13:46  |
|    |       | and GaN) and ((buffer NEAR (layer film)) WITH oxid\$5)   | US-PGPUB;           |                   |
|    |       |  | EPO; JPO;           |                   |
|    |       |  | DERWENT;            |                   |
| 20 |       | ((1.4. 13TDAD  | IBM_TDB             | 2004/01/22 12:50  |
| 39 | 36    | ((lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED))   | USPAT;<br>US-PGPUB; | 2004/01/22 12:59  |
| :  |       | and (GaN NEAR epi\$6 NEAR layer)   | EPO; JPO;           |                   |
|    |       |  | DERWENT;            |                   |
|    | 1     |  | IBM TDB             |                   |
| 40 | 31    | (((lateral NEAR grow\$3) and ((light NEAR emit\$4 NEAR diode) LED))  | USPAT;              | 2004/01/22 13:00  |
| 40 | 31    | and (GaN NEAR epi\$6 NEAR layer)) and (buffer NEAR (layer film))   | US-PGPUB;           | 250 1101122 15.00 |
|    |       | and (out 112711 chien 117711 taket)) and (outlet 112711 (taket initit))  | ЕРО; ЛРО;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM TDB             |                   |
| 41 | 0     | (buffer NEAR (layer film) NEAR GaN) WITH (oxid\$5 NEAR layer)  | USPAT;              | 2004/01/22 13:47  |
|    | "     | (Control 1122 B. (My or 11111) 1122 B. Control 1122 B. (Control 1122 B. (C | US-PGPUB;           |                   |
|    |       |  | ЕРО; ЛРО;           |                   |
|    |       |  | DERWENT;            |                   |
|    |       |  | IBM_TDB             |                   |
| L  | 1     | 1  |                     |                   |

| 42 | 5    | (buffer NEAR (layer film) NEAR GaN) WITH oxid\$5                | USPAT;    | 2004/01/22 13:50 |
|----|------|---|-----------|------------------|
| .5 |      |   | US-PGPUB; |                  |
|    |      |   | EPO; JPO; |                  |
|    |      |   | DERWENT;  |                  |
|    |      |   | IBM_TDB   |                  |
| 43 | 1078 | (buffer NEAR (layer film) NEAR GaN)                             | USPAT;    | 2004/01/22 13:50 |
|    |      |   | US-PGPUB; |                  |
|    |      |   | EPO; JPO; |                  |
|    |      |   | DERWENT;  |                  |
|    |      |   | IBM_TDB   |                  |
| 44 | 639  | ((buffer NEAR (layer film) NEAR GaN)) and ((light NEAR emit\$4  | USPAT;    | 2004/01/22 13:50 |
|    |      | NEAR diode) LED)  | US-PGPUB; |                  |
|    | ļ    |   | ЕРО; ЛРО; |                  |
|    |      |   | DERWENT;  |                  |
|    |      |   | IBM_TDB   |                  |
| 45 | 78   | (((buffer NEAR (layer film) NEAR GaN)) and ((light NEAR emit\$4 | USPAT;    | 2004/01/22 13:51 |
|    | 1    | NEAR diode) LED)) and (lateral NEAR grow\$3)                    | US-PGPUB; |                  |
|    |      |   | ЕРО; ЛРО; |                  |
|    |      |   | DERWENT;  |                  |
|    |      |   | IBM_TDB   |                  |